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PTO/SB/05 (2/98)

Approved for use through 09/30/00. OMB 0651-0032

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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br>(Only for new nonprovisional applications under 37 CFR 1.53(b)) | Attorney Docket No.                      | C98-013   |
|  | First Inventor or Application Identifier | Ivan A. Bachelder   |
|  | Title                                    | Method for Refining Geometric Description Models using Images |
|  | Express Mail Label No.                   | EM 155 930 989 US   |

|  |   |
|--|---|
| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents.  | <b>ADDRESS TO:</b> Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, DC 20231   |
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form<br/>(Submit an original, and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages <b>16</b>]<br/>(preferred arrangement set forth below)</p> <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R&amp;D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul> <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <b>5</b>]</p> <p>4. Oath or Declaration [Total Pages <input ]<="" p="" type="checkbox"/><p>a. <input type="checkbox"/> Newly executed (original or copy)</p><p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/>(for continuation/divisional with Box 17 completed)<br/>[Note Box 5 below]</p><p>i. <input type="checkbox"/> Deletion of Inventor(s)<br/>Signed statement attached deleting inventor(s) named<br/>in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p><p>5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked)<br/>The entire disclosure of the prior application, from which a copy of<br/>the oath or declaration is supplied under Box 4b, is considered as<br/>being part of the disclosure of the accompanying application and is<br/>hereby incorporated by reference therein.</p></p> | <p>6. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable)</p> <p>a. <input type="checkbox"/> Computer Readable Copy</p> <p>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</p> <p>c. <input type="checkbox"/> Statement verifying identity of above copies</p> <p><b>ACCOMPANYING APPLICATION PARTS</b></p> <p>8. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br/>(where there is an assignee)</p> <p>10. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>12. <input type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/>(Should be specifically itemized)</p> <p>14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application,<br/>Statement(s) Status still proper and desired.</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/>(if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Other: _____</p> |

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP) of prior application No.:

**18. CORRESPONDENCE ADDRESS**

|  |   |   |              |          |              |
|--|---|---|--------------|----------|--------------|
| <input type="checkbox"/> Customer Number or Bar Code Label | (Insert Customer No. or Attach bar code label here) | <input checked="" type="checkbox"/> or Correspondence address below |              |          |              |
| NAME   | Cognex Corporation                                  |   |              |          |              |
|  | Russ Weinzimmer                                     |   |              |          |              |
| ADDRESS  | One Vision Drive                                    |   |              |          |              |
| CITY   | Natick  | STATE   | MA           | ZIP CODE | 01760        |
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|                   |                      |                                   |         |
|-------------------|----------------------|-----------------------------------|---------|
| NAME (Print/Type) | Russ Weinzimmer      | REGISTRATION NO. (Attorney/Agent) | 36,717  |
| SIGNATURE         | <i>R. Weinzimmer</i> | DATE                              | 7/31/98 |

A

1c604 U.S. PTO  
07/31/98

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ivan A. Bachelder and Cyril C. Marrion Jr.

For: METHOD FOR REFINING GEOMETRIC DESCRIPTION MODELS USING IMAGES

Attorney Docket Number: C98-013

JC523 U.S. PTO  
09/127676  
07/31/98

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

## NEW APPLICATION TRANSMITTAL

Dear Sir:

Transmitted herewith for filing is the patent application Ivan A. Bachelder and Cyril C. Marrion Jr., for  
METHOD FOR REFINING GEOMETRIC DESCRIPTION MODELS USING IMAGES.

## EXPRESS MAIL CERTIFICATE

Express Mail Label Number EM 155 930 989 US. Date of Deposit: 7/31/98. I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above, and is addressed to the Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Russ Weinzimmer  
Russ Weinzimmer

## 1. Papers Enclosed That Are Required for Filing Date under 37 CFR 1.53(b)

16 pages of specification (including pages of claims and page of abstract)  
10 claims  
5 sheets of drawings (informal)

## 2. Fee Calculation (37 CFR 1.16)

| Item                         | Citation | Calculation                              | Amount           |
|------------------------------|----------|--|------------------|
| Basic filing fee             | 1.16(a)  |  | \$ 790.00        |
| Additional claim fees:       |          |  |                  |
| Independent claims           | 1.16(b)  | ( <u>2</u> indep. claims - 3 ) x 82.00   | \$ 0 .00         |
| Total claims in excess of 20 | 1.16(c)  | ( <u>10</u> total. claims - 20 ) x 22.00 | \$ 0 .00         |
| Multiple dependent claims    | 1.16(d)  | ( mult. dep. claims ) = 270.00           | \$ 0.00          |
| Filing Fee Calculation:      |          |  | \$ <u>790.00</u> |

## 3. Method of Payment of Fees

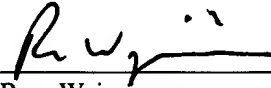
Charge Account No. 03-2357 in the amount of \$ 790.00. A duplicate of this transmittal is attached.

09127676-073198

**4. Authorization to Charge Additional Fees**

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required during the entire pendency of this application, to Deposit Account No. 03-2357.

Respectfully Submitted,



Russ Weinzimmer  
Attorney for Applicant

Registration No. 36,717

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03-2357-01-01